

Section I: BACT Determination for Application No.: 249798
Equipment Category - Spray Booth

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| 1. GENERAL INFORMATION | | DATE: 5/25/1999 |
| A. MANUFACTURER: Custom | | |
| B. TYPE: Dry Filter | C. MODEL: Custom | |
| D. STYLE: Floor | | |
| E. APPLICABLE AQMD REGULATION XI RULES: 1107 & 1171 | | |
| F. COST: \$Not known () SOURCE OF COST DATA: | | |
| G. OPERATING SCHEDULE: 8 HRS/DAY 5 DAYS/WK 50 WKS/YR | | |
| 2. EQUIPMENT INFORMATION | | APP. NO.: 249798 |
| A. SIZE/DIMENSION/CAPACITY: 6'-0" W. x 12'-0" L. x 7'-0" H. | | |
| B. BLOWERS: 1 @ 2 HP | C. TOTAL FLOW RATE: 4741 scfm | |
| D. FILTERS: 3 1/2 @ 20" X 25" | | |
| E. PARTS COATED: Metal Parts | | |
| F. TYPE OF COATING/ADHESIVE/SOLVENT USED: Two component coating | | |
| 3. COMPANY INFORMATION | | APP. NO.: 249798 |
| A. NAME: Crown City Plating | | |
| B. ADDRESS: 4350 Temple City Blvd. | | |
| CITY: El Monte | STATE: CA | ZIP: 91731 |
| C. CONTACT PERSON: Filomena Bundang | D. PHONE NO.: (626) 444-9291 | |
| 4. PERMIT INFORMATION | | APP. NO.: 249798 |
| A. AGENCY: SCAQMD | | |
| B. AGENCY CONTACT PERSON: Wilma Wilson/AQ Engineer | C. PHONE NO.: (909) 396-2444 | |
| D. PERMIT TO CONSTRUCT INFORMATION: | P/C NO.: 249798 | ISSUANCE DATE: 7/1/1991 |
| E. START-UP DATE: Operating since 1991, initial P/C issued 7/7/88 under A/N 171352, equipment modified and P/C issued under 249798 | | |
| F. PERMIT TO OPERATE INFORMATION: | P/O NO.: D45620 | ISSUANCE DATE: 12/6/1991 |
| 5. EMISSION INFORMATION | | APP. NO.: 249798 |
| A. PERMIT | | |
| A1. PERMIT LIMIT: 25 gal/day coating & solvent | | |
| A2. BACT/LAER DETERMINATION: The BACT/LAER determination for this application is a thermal oxidizer. The permit requires a capture efficiency of 90% and a destruction efficiency of 95%. | | |
| B. CONTROL TECHNOLOGY | | |
| B1. MANUFACTURER/SUPPLIER: Hirt | | |
| B2. TYPE: Direct-flame Afterburner | | |

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| B3. DESCRIPTION: A direct flame afterburner vents one enclosed, conveyORIZED spray booth and oven. Non-compliant coatings are automatically applied. The afterburner has a 2.8 MM Btu/hr natural gas fired burner. | | |
| B4. CONTROL EQUIPMENT PERMIT APPLICATION DATA: | P/C NO.: | ISSUANCE DATE: |
| | P/O NO.: | ISSUANCE DATE: |
| B5. WASTE AIR FLOW TO CONTROL EQUIPMENT: | FLOW RATE: | 4,741 scfm |
| ACTUAL CONTAMINANT LOADING: | BLOWER HP: | 1 @ 20 HP |
| B6. WARRANTY: Not known | | |
| B7. PRIMARY POLLUTANTS: VOC | | |
| B8. SECONDARY POLLUTANTS: NOX, CO | | |
| B9. SPACE REQUIREMENT: Not known | | |
| B10. LIMITATIONS: | | |
| B11. LOCATION OF PRIOR DEMONSTRATION & AGENCY: | | |
| FACILITY: Not known | | |
| CONTACT PERSON: | | PHONE NO.: |
| AGENCY: | | |
| ADDRESS: | | |
| CONTACT PERSON: | | PHONE NO.: |
| B12. OPERATING HISTORY: | | |
| B13. SOURCE TEST/PERFORMANCE DATA ANALYSIS: | | |
| DATE OF SOURCE TEST: | 9/1/91 | CAPTURE EFFICIENCY: 100% |
| DESTRUCTION EFFICIENCY: | 96.10% | OVERALL EFFICIENCY: 96.10% |
| PERFORMANCE DATA: | | |
| B14. SOURCE TEST CONDITIONS/PERFORMANCE DATA: | | |

C. COST

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| C1. CONTROL EQUIPMENT COST: <input type="checkbox"/> CHECK IF INSTALLATION COST IS INCLUDED IN CAPITAL COST | | |
| CAPITAL: | \$3,600,000 | INSTALLATION: \$Not known () SOURCE OF COST DATA: |
| C2. ANNUAL OPERATIONAL/MAINTENANCE COST: \$Not known () SOURCE OF COST DATA: | | |

D. DEMONSTRATION OF COMPLIANCE

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| D1. STAFF PERFORMING FIELD EVALUATION: | | |
| ENGINEER'S NAME: | Wilma Wilson | INSPECTOR'S NAME: DATE: |
| D2. COMPLIANCE DEMONSTRATION: | | |
| D3. VARIANCE: | NO. OF VARIANCES: None | DATES: |
| CAUSES: | | |
| D4. VIOLATION: | NO. OF VIOLATIONS: None | DATES: |
| CAUSES: | | |
| D5. FREQUENCY OF MAINTENANCE: Not known | | |

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| 6. COMMENTS | | APP. NO.: 249798 |
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